

FOLIO

University of Alberta

17 December 1987

Heavenly Artistry

All his life, William Blake revered the poetry of John Milton, illustrating several of the 17th century poet's major works. Blake's *Annunciation to the Shepherds* (1809) reproduced here was executed for *On the Morning of Christ's Nativity*, Milton's first great poem. The illustration is part of a display in Special Collections over the holiday season.

Season's Greetings

When such musick sweet
Their hearts and ears did greet,
As never was by mortall finger strook,
Divinely-warbled voice
Answering the stringed noise,
As all their souls in blisfull rapture took:
The Air such pleasure loth to lose,
With thousand echo's still prolongs each heav'ly close.

Nature that heard such sound
Beneath the hollow round
Of *Cynthia's* seat, the Aury region thrilling,
Now was almost won
To think her part was don,
And that her reign had here its last fulfilling;
he knew such harmony alone
could hold all Heav'n and Earth in happier union.

That surrounds their sight
Globe of circular light,
That with long beams the shame-fac't Night array'd,
A helmed Cherubim
Of sworded Seraphim,
Are seen in glittering ranks with wings displaid,
Singing in loud and solemn quire,
With unexpressive notes to Hearer in new-born Heir.



Expert Takes Pulse of Teaching Practices, Innovations

Scores of learned people visit campus each year. They leave the physical facilities as they found them, but sometimes they alter the viewpoints of their hosts.

Chris Knapper is a visitor of this ilk, and the people who will be influenced by him initially are members of a steering committee that was set up in conjunction with IPTE (Inventory and Plan for Teaching Effectiveness), a project initiated by Roger Beck (Marketing and Economic Analysis) and funded internally.

Dr. Knapper, who calls the University of Waterloo home, has been here before to give seminars on behalf of CITL. This time around (7 to 9 December), he was on campus to study the replies of department Chairs to a questionnaire on teaching (*Folio*, 26 November). Dr. Knapper, working closely with the steering committee, pinpointed those responses that need to be looked at in detail, and assisted with the preparation of a second questionnaire, one that will be mailed to a representative sampling of faculty early in January.

"It's obvious that teaching has a high priority here," Dr. Knapper told *Folio*. He has found that teaching practices, for example, huge introductory classes, the use of classroom observations, and the extent to which teaching is discussed with the head of a department, differ from department to department. A primary purpose of IPTE is to expose faculty to various alternatives. Some of these may not necessarily be ideal for a particular department but the knowledge of alternative methods of effective teaching will be increased.

"We try not to be prescriptive," Dr. Knapper says.

As of 8 December, 75 percent of the first questionnaires had been returned. (There will be "one gentle reminder" to those who haven't responded, Dr. Knapper says.) The second questionnaire will ask for 1) comment on the individual's general beliefs and thoughts about teaching and 2) activities that the University might adopt to encourage and promote better teaching.

Draft Report

The results of the two questionnaires will form the basis of a report Dr. Knapper plans to have drafted by March 1988. (He will return in February to meet with the Deans of departmentalized Faculties and hold general talks about teaching and learning. He points out the

difficulty in gathering a representative sample of student opinion on teaching but does indicate that meetings with student leaders will be sought.)

After the steering committee has reviewed the report (Dr. Knapper expects there will be more than a few changes), it will be circulated on campus early in April.

The report will be directed to department Chairs, but will also have some content of interest to individual faculty.

There's no one single route to becoming a good teacher, but there are properties that good teachers have in common, he believes. These include knowledge of the subject matter, concern for students and ways of organizing material.

A teacher of psychology and environmental studies at Waterloo, his personal aim is "to produce students who can learn independently of me. Their acquiring certain skills and insights that they can use the rest of their lives is much more important than them learning what I know."

Onus on Student

The onus, Dr. Knapper continues, is on the student to take responsibility for his own learning. The teacher is just a mechanism by which learning occurs; the real learning has to go on outside the classroom when the student interprets the material.

Chris Knapper was a psychology professor in Saskatchewan for the first 10 years of his academic career. In the 1970s, the Canadian Association of University Teachers became concerned about the professional role of the university professor (read teaching), and Dr. Knapper found himself pondering such issues as the development of precise methods to evaluate teaching. A Canada Council grant in 1973-74 allowed him to visit a number of countries and examine university units set up to promote teaching innovations. In 1976, Waterloo was looking for an adviser on teaching. Dr. Knapper's application won out and he proceeded to establish one of the first offices in Canada whose mission is to consider teaching and learning issues. He's done rather well. Teaching Resources and Continuing Education puts on workshops, seminars and short courses, provides individual consultation services and advisory services to teaching departments (for example, help with curriculum revision), and administers a teaching awards program. □



Photo/University of Alberta/OPA

Chris Knapper

FOLIO

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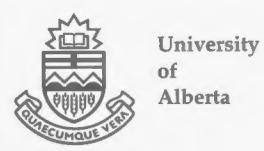
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Alberta

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'Speak Out, Take Part in Political Debate,' Polanyi Urges Scientists

Scientists owe it to society to participate in the political process by taking part in national debate on subjects of vital interest, Nobel prize winner John Polanyi told 450 people, squeezed into Bernard Snell Auditorium to hear him deliver the inaugural Killam Lecture (7 December) on the responsibilities and obligations of scientists.

To these discussions, scientists should bring—not their expertise in their arcane areas of specialty—but "their ability to argue cogently, an easy familiarity with arithmetic, and a well-honed scepticism to the claims of others to be 'experts,'" Dr. Polanyi said.

Now the author of many articles on science policy and arms control, Polanyi as a young scientist in the early '60s was at first reluctant to get involved in protests about arming Canadian Bomarc missiles with nuclear warheads, fearing he might be perceived as sullying the good name of science by "meddling" in political affairs.

He believes now that scientists no longer have the privilege of single-minded devotion to their craft. While they should not behave as though they think they know better than any other section of society, they should not be shamefaced about participating in the political process.

The world cannot be made safe by directing research along "benign paths", Polanyi said. "Intellectual castration is no solution. The expanding domain of science is like an amoeba. Cut off a (trigger) finger, and two others will grow in its place. Get rid of nuclear, chemical, biological, radiological threats, and others will simply appear."

It is not knowledge that is to be feared, but the way knowledge is used, he said, warning scientists to guard against the desire to please political masters for the sake of funding. "The problem is not that (the State's) values enter science, but that they come to dominate and destroy it."

Dr. Polanyi sees the refusal by many thousands of scientists around the world to participate in SDI research as a gesture intended to draw attention to strongly held views, not as an interference by scientists in the political process.

"Their action does not seek to replace debate, but to get the debate going. When SDI is discarded, scientists will have played a major part in winning

over, not coercing, the majority to that point of view."

It is not a fantasy to think that modes of thinking can be changed, Polanyi said.

Scientists, as citizens and members of an international community, have an important part to play in espousing imaginative solutions.

If they fail to play their part, they must bear the responsibility for not having tried.

If they play their part, there is no guarantee of success, but it is in the scientific tradition that new ideas are pursued always in the face of mockery and scepticism. □

Polanyi Answers Questions

After delivering the inaugural Killam Lecture, John Polanyi responded to questions from the floor.

Why do you oppose SDI?

The scientific community has a number of technical objections to the Strategic Defence Initiative.

Nuclear weapons are so destructive that a shield, if it is to be successful, has to be virtually impermeable.

In practice, a shield is impossible to create. The forces that might be used in such a device are more easily made to malfunction than to function, and there is too much danger of it going wrong.

In fact, the world is not going to produce a protection against a hail of missiles, and we should stop giving the illusion that we can do so.

Was science halted when a genetic engineering project was stopped? No. When a certain group of scientists placed a voluntary moratorium on a particular area of their genetic research, they did not "halt science".

On the contrary.

They had realized the bacteria they were working with would cause terrible damage if they escaped from the lab. They stopped research only until they could produce adequate safeguards. When they found they could work with bacteria that couldn't live outside the lab, they carried on.

But at no time did they ever say, "It is too dangerous to learn about the nature of the gene." □

Horowitz Leaving Presidency

At the 11 December meeting of the Board of Governors, President Myer Horowitz announced that he does not plan to seek another term of office. Dr. Horowitz, who has been President since 1979, reinforced his statement with the following letter to Board Chairman John Schlosser.

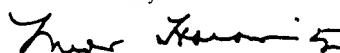
Dear John:

June 30, 1989 seems like a long time from now and yet the time has come for me to indicate officially what you, John, have known for several years. At the end of this term I do not wish to be considered for reappointment. By the summer of 1989 I will have served in academic administration at the University of Alberta for 20 years and as President for 10 of them. I believe strongly that it will be time for someone else to provide leadership during the 1990s, just as I have been privileged to do during the 1980s.

To minimize the "lame duck" phenomenon, of course I would prefer to delay announcing my decision, but I must do what I consider to be in the best interests of our university and so I indicate my decision at this early date to enable the Board to begin its search for my successor. There will be ample opportunity a year and more from now to express my gratitude and for us to say our farewells. For now my desire is that there will be as little focus as possible on this decision. There is much more to accomplish between now and June 1989. Until the very last day in the presidency I intend to continue to approach the problems, challenges and issues with optimism and determination and, I hope, occasionally with adequate humor.

I appreciate very much your personal support and that of other members of the university community.

Yours sincerely



Myer Horowitz
President

Teaching of Slavey Begins in New Year

Sarah Cleary's people don't want their culture to die. That's why she became a linguistics student, on studies that have taken her from the Northwest Territories to New Mexico.

These days, however, the Slavey language specialist calls the University of Alberta her intellectual home. Ms. Cleary is the University's first holder of the Northern Dene Language Scholarship, the dreamchild project of Lynda Lange, currently a researcher affiliated with the University's Boreal Institute for Northern Studies.

Slavey, spoken by upwards of 4,000 Dene people in the Mackenzie River valley, is approaching a critical period. The language presently lacks a standardized alphabet. Teaching and writing resources have been in short supply. Dene elders—the repository of a vast storehouse of information about the land they have lived on for many thousands of years—are fluent in their own language "but don't necessarily read or write in it," says Ms. Cleary, from Fort Franklin on Great Bear Lake.

Dene lands have been under

seige for decades now, for their abundance of natural resources. "All Dene politics, including land claims, have to include people at the grassroots," says the linguist, who has acted extensively as a Slavey translator, often between elders and the younger generations who understand (but don't speak) their mother tongue.

Slavey speakers, faced with "new" concepts such as aircraft and nurses, "invent" new words to explain them. But these are often grammatically immature creations, says Ms. Cleary. "It's just like small children calling geese 'gooses'."

Ms. Cleary begins teaching Slavey to northern researchers and graduate students at the University of Alberta as part of her scholarly work in January 1988.

Is thinking in Slavey different from thinking in English?

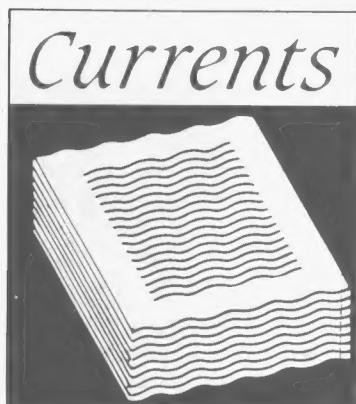
"Dene language is more emotional, more descriptive than English," she says. "You can go from a very happy to a very sad emotion without having to beat around the bush, unlike in English."* □

*Reprinted from Q and A, published by the University's Office of Public Affairs.

Deans Chia and Patterson Reappointed to Five-Year Terms

Fu-Shiang Chia, Dean of Graduate Studies and Research, and Robert Patterson, Dean of Education, have been reappointed to second terms by the Board of Governors.

Dean Patterson will begin his second five-year term 1 July 1988;



Capital Equipment Purchases

A program has been developed to provide the carry-over of unspent capital equipment funds into the next budget year. This carry-over will be limited to the lesser of 15 percent of the departmental capital equipment budget or \$50,000. Where the balance of unexpended funds is sufficient, commitments incurred by purchase orders placed before 31 December will be allocated a carry-over equivalent to the amount of the commitment.

Where the balance of your unexpended and/or uncommitted capital equipment budget is currently in excess of the foregoing limits, you are urged to place purchase orders for your further needs now to help ensure that delivery is effected before 31 March 1988. The program will not provide a carry-over in relation to commitments by purchase orders placed later than 31 December other than in instances where a well documented justification of circumstances merits exception. Application for exemption should be submitted to the attention of D. Grover, Office of the Comptroller. Final approval on capital equipment carry-overs remains with the Associate Vice-President (Facilities), J.B. McQuitty.

Unexpended funds in excess of the limiting factors will lapse into a Capital Equipment Contingency Account.

Nominations Invited for Faculty of Arts Undergraduate Teaching Awards

In the interests of recognizing excellence in teaching and to encourage teaching of the highest quality, the Faculty of Arts gives up to three Undergraduate Teaching Awards annually. The Faculty of Arts Undergraduate Teaching Awards Committee is interested in receiving nominations for this award. Permanent staff with at least five years of full-time teaching experience are eligible. Nominations can be made by students, colleagues and/or department chairpersons. Because each department is permitted only one nomination and documentation is required, interested persons should discuss possible nominations with the appropriate department chairperson.

The deadline is 15 January 1988.

Dean Chia's second five-year term begins 1 July 1989 (he will be on leave from 1 July 1988 to June 1989).

The Governors, who met on 11 December, dealt with a number of other items and, in keeping with tradition, sampled the seasonal baking of Barbara Horowitz.

The Educational Affairs Committee (EAC) received Board approval to give the go-ahead to the Faculty of Medicine to designate up to two extra positions to the regular quota for the MD program. These will be allocated to native students, starting in the 1988-89 academic year.

The Board also voted to renew the affiliation agreement between Concordia College and the University of Alberta for five years (to June 1992).

One appointment was announced by EAC, that of Peter Smy as Chair of Electrical Engineering for the period 15 October 1987 to 30 June 1990. In presenting the Finance

Committee's report, Michael Welsh spoke of the transfer of books and other library materials from the Extension Library to the Peace Library System. The Extension Library was closed last spring but an agreement was reached between Dean Foth (Extension), the director of the Extension Library, and the Peace Library System to donate the books and materials to that system. The book collection consists of about 90,000 volumes. The costs of preparing the collection for transfer and the transportation costs are being borne by the Peace Library System.

Two buildings and a courtyard were named by the Governors.

The "Robert David Sinclair Swine Centre" at the Edmonton Research Station was named in honor of Dr. Sinclair, Dean of Agriculture and Forestry from 1942 to 1950.

The V-Wing Courtyard is now the "Hugh Knowles Court". Professor Knowles helped develop landscaping programs at the Universities of Alberta and Calgary

during the 1960s.

The proposed University Collections Centre will bear the title "Timms Collections Centre", in recognition of the contributions to its realization by the late Albert William Timms.

The following schedule has been devised for the facility: schematic design report (February 1988), design development report (mid-summer 1988), start of construction (June 1989).

The Building Committee also reported that it has endorsed the motion for the Timms Collections Centre to be located at the northeast corner of 87 Avenue and 112 Street.

Another information item was the approval of a request from the Dean of Student Services and the Office of International Student Affairs to rename HUB Mall "HUB International" in recognition of the international student mix in HUB.□

CIAU's Winningest Hockey Coach Honored

The Department of Athletics and the Golden Bear Hockey Alumni Association have presented coach Clare Drake with a most important championship: the establishment of the Clare Drake Awards.

At a news conference held recently, hockey alumni president Dan Bouwmeester explained that the awards were created to recognize both athletic and academic achievement and that the

recipients (up to 10 awards can be presented each year) must not only be current members of the Golden Bear Hockey team but must also possess a grade point average of at least 6.5 (or the transfer equivalent). Players who have not attended a post-secondary institution for two full semesters will be ineligible for the awards.

The awards are the result of money raised by the hockey alumni

and matched by the province to establish an endowment fund of \$150,000. A total of \$15,000, which translates into 10 awards, will be available each season, depending on the growth of the fund.

A five-member selection committee will choose the recipients. It is hoped that the first Clare Drake Awards will be in place by November 1988, following the selection of the 1988-89 squad.□



Golden Bear Hockey alumni (left to right) Terry Sydoryk, Brian McDonald, Ken Irving, Jim Lomas, Dan Bouwmeester and Dick Wintermute find that coach Drake really does have a nose for winning.

Photo/University of Alberta/OPA

Memorial University Plans National Conference on Light and Color

You've heard of April in Paris, but what about May in Corner Brook?

Many academics will gather in the Newfoundland centre for a national conference on the theme "Light and Color."

In a letter to *Folio*, John Buffinga describes the 11 to 15 May 1988 event as "a unique forum which will bring together scholars from across Canada and across disciplines."

Organizers invite contributions from and participation of faculty members in a wide range of disciplines, such as physics, chemistry, philosophy, biology, medicine, theology, psychology, fine arts, language and literature, and performing arts.

A press release from Memorial University's Sir Wilfred Grenfell College in Corner Brook says, "We envisage a series of symposia in which the participants will speak for 20 or 45 minutes about the findings of their own research or share their ideas on the broad topic of light and color. We trust that the material will be presented in a form accessible to all participants."

A few individuals have been

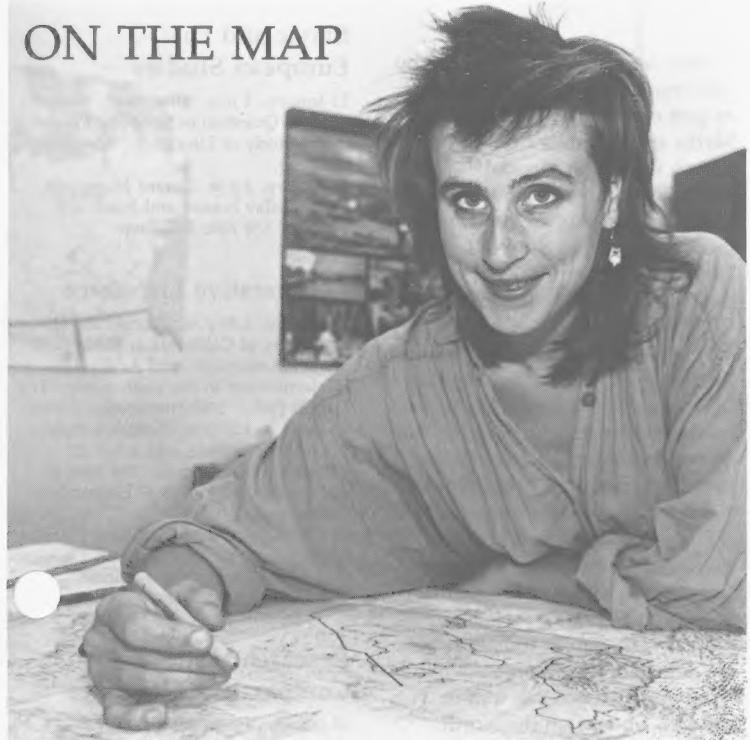
invited to attend the conference in the capacity of distinguished speakers. They include Jeffrey Hoffman, a NASA astronaut; Allan Lightman, a physicist at the Smithsonian Astrophysical Observatory; and Eli Bornstein, professor of art at the University of Saskatchewan.

One- or two-paragraph abstracts are invited from all those interested in speaking at the conference. Write to Michael Coyne, Head, Department of Visual Arts, Sir Wilfred Grenfell College, Corner Brook, Newfoundland A2H 6P9. Telephone (709) 637-6333.□

Holiday Publishing Schedule

Folio will not publish on 24 and 31 December and on 7 January. Deadlines for the next issue—14 January 1988—are 9 a.m. (copy) and 3 p.m. (advertisements) on Thursday, 7 January.□

ON THE MAP



Photo/Slawnych/Westfile Inc

Helen Schuld (Dene Mapping Project) traces early 20th Century game preserves in the Northwest Territories. She is part of a University team creating a computerized inventory of Dene land use patterns.

The Seventh Annual Folio List

- Giant Paintbox Award: to Norman Yates for his mural.
- Desktop Sign of the Year: Bill Mailo's "In God We Trust, All Others We Audit."
- Linguistic Achievement of the Year: Myer Horowitz's greeting in Polish at a reception honoring the Polish Culture Society.
- Red Badge of Courage Recipient: Neil Crawford.
- Best Dressed Administrator: Don Horwood, Myer Horowitz and Bears basketball players are still duking it out for the title (see color poster produced by the Department of Athletics).
- Biggest Can Opener Award: to Owen Beattie for lifting the lid on the Franklin Expedition mystery.
- Bare Knees Award: to Gary Kelly for reminding us that kilts were a 19th century Edinburgh clothing gimmick created for people wanting to "look Scottish."
- Ice-cold Facts Award: to Ken Taylor for believing the Arctic ice cap to be "the safest place in the world" for future Canadian n-subs.
- Most Distinctive Award: the miniature flame tower given to each of the University's retirees.
- Award bearing the longest title: The American Society of Agricultural Engineering-Pacific Northwest Region Agricultural Engineer of the Year Award. (This year it went to Ken Domier.)
- Bird Watcher of the Year: Kathy Martin. (The NSERC Postdoctoral Fellow has spent the last seven

years studying the behavior of the willow ptarmigan.)

- The More-Power-to-Them Award: those who registered for the "Old Crocks" class offered by Campus Fitness and Lifestyle.
- The Hatmaker's Favorite Client: Ron Micetich, president and CEO, SynPhar Laboratories Inc.; vice-president and CEO, Taiho Alberta Ltd.; adjunct professor, Faculty of Pharmacy and Pharmaceutical Sciences.
- Cyclist of the Year: Elizabeth Richards
- Literati Conference of the Year: "Scott and his Influence."
- Best Shod Visitor: Brian Mulroney

We eagerly await in '88

- The official reopening of the Arts Building.
- Smooth execution of the plans for the Timms Collections Centre.
- A return to power for the Bears and Pandas and a return of the track and field, cross-country and diving programs.
- A Deans' Council retreat that produces "Deanning" headlines only.
- The return of Ben Johnson to the Butterdome.
- An asbestos-free campus.
- The appointment of a certified genius as Tri-Bach Artist-in-Residence.
- Ice artistry in the Quad (without a dramatic dip in the temperature).□

Library Offers More Sessions on Computerized Literature Searching

In November, the Library invited faculty members to learn to do their own computerized literature searching. The response was impressive, so impressive that similar lab sessions have been scheduled for January and April.

The sessions consist of:
● an introductory lecture describing computerized search services currently available and how researchers gain access to them. The mechanics of formulating and executing searches will be outlined.
● a lab session at which participants can gain hands-on experience with the end-user search systems by executing a search on a topic of their choice. (Participants are asked to bring research problems to the lecture session.)

End-user search systems offer researchers the opportunity to search bibliographic indexes and

some full-text services for themselves via their own personal computers or terminals.

The two end-user systems currently being marketed (BRS After Dark and Knowledge Index) are basic and economical, characteristics that make them ideal for novice searchers.

The January program opens with a lecture (5 January, 2 to 4 p.m., Cameron Library classroom 1-20F) and moves to lab sessions on the 5th, 6th and 7th. Times are 6:30 to 8 p.m. or 8 to 9:30 p.m. Faculty are invited to sign up at the lecture for one of the lab sessions.

To register, call Rose Schribar, 432-5544.

The program is free, but only 40 people can be accommodated. Those who can't make the January program are asked to put their names on the waiting list for the April program.□

Library Adopts Bar Code Technology

Over the next few months, bar code technology will start to appear in the Library. This marks the first stage in the development of a new circulation system, slated for implementation over the next three years.

On 8 December, the Library officially retired its obsolete punch card technology. (The technology had been in use since 1968.) Each

new book will have a bar code label above the date due slip. Scanners at each circulation counter will register the book information and tie it to bar code information on the user's library card.

As part of this new system, faculty will receive replacement library cards in January sporting new bar code labels. Although they resemble the old bar codes, they



Betty Davey applies bar code labels.

Navaho Ritual Art Surrounds Exhibit of Indian Myth, Legend

In his 1855 Smithsonian report on the Navaho Indians, Jonathan Letherman summarized what passed for contemporary white thinking on the North American Indian's religious ritual: "Their singing is but a succession of grunts and is anything but agreeable."

In reality, Navaho religious rituals are as complex as any to be found in the Vatican or Mecca. At each major stage of Navaho life there was a series of ceremonies designed to help the participant cope with his/her new role or task.

The making of a warrior is the theme behind "How the two came

are part of the new system which will ultimately allow users to determine from the library online catalogue whether the book they want is on the shelf.

New bar codes have already been applied to new student cards. Modifications made to the circulation terminals in each library will require that only new cards can be used. When your new card arrives, you should destroy the old card immediately. Faculty/staff with newer cards (these may have an expiry date) will not receive replacements until the current card expires.□

U/CSPF Deadline

The next deadline for submission of applications to the University/Community Special Projects Fund is 15 January 1988.

Late applications will not be considered until the April 1988 meeting.

Project proposals and requests for application forms should be directed to the advisory committee's secretary, Twyla E. Gibson, in the office of the Associate Vice-President (Information Systems), 3-6 University Hall.□

Camaraderie Thy Name is 'Funspiel'

The NAIT Staff Curling Club organizing its second annual post-secondary "funspiel".

Sixteen teams competed last year and the upshot was lots of laughs and some good shot-making.

Jim McGregor (427-5631) is coordinating the event. He has a date—Saturday, 23 January—, a time—11:30 a.m. to 8:30 p.m.—, and a place—the Avonair Curling Club, 10607 Princess Elizabeth Avenue (across from NAIT).

The maximum number of entries is 24 (first-come, first-served), and the entry fee is \$80 per team (the fee includes a "new, improved supper"), and a \$20 deposit is required. Deadline for entries is 14 January.

A number of prizes will be awarded, including a trophy to the institution having the highest average points per team (minimum of two teams to qualify).□

Talks

Medicine

21 December, 4 p.m. Philip Low, Department of Chemistry, Purdue University, "Regulation of Protein Binding to the Red Cell Membrane." 2J4.02 Mackenzie Health Sciences Centre.

23 December, 8 a.m. J. Burton, "Adult Aortic Valvuloplasty." 2F1.01 Mackenzie Health Sciences Centre.

Slavic and East European Studies

11 January, 3 p.m. Allan Reid, "Bakhtin and the Question of Scientific Precision in the Study of Literature." 436 Arts Building.

18 January, 3 p.m. Gerard Magennis, "Vyacheslav Ivanov and Symbolist Drama." 436 Arts Building.

Comparative Literature

12 January, 3:30 p.m. Thomas Pavel, University of California at Santa Cruz, "Post Structuralism and After: (1) Modernization in the Humanities—The French Path." 5-20 Humanities Centre.

21 January, 3:30 p.m. Professor Pavel, "Post Structuralism and After: (2) Uncertainty as Dogma—The Rise of Anti-epistemology." 5-20 Humanities Centre.

26 January, 3:30 p.m. Professor Pavel, "Post Structuralism and After: (3) 1968-1988—Excess and Remorse." 5-20 Humanities Centre.

Research Institute for Comparative Literature

14 January, 4 p.m. M. Verdicchio, "Lessing's *Larcooon* and the *ut pictura poesie*." 220 Fine Arts Building. Co-sponsors: Art and Design, Comparative Literature, English and Romance Languages.

Cassette on Book Deterioration Merits Booking

Libraries throughout the world are faced with the slow but relentless deterioration of their collections. Books, largely printed on acidic paper since 1860, film, sound recordings and electronic formats are all subject to this erosion. The problem of book deterioration, however, is the most immediate and most daunting in terms of sheer numbers and the limited number of options available to attack the problem.

An excellent film, "Slow Fires; On the Preservation of the Human Record", will be aired on PBS

Channel 13, 30 December, 11 p.m. In addition, the University Library has purchased VHS cassettes of both the one hour and the half hour versions of the film. The Library will arrange a schedule of viewings for the general community in the new year and will make the film available for booking by interested parties. The public viewings will be publicized in *Folio*; information on them or on booking the film may be obtained from Library administration - 432-3790.□

to their father", a series of Navaho paintings currently being featured as part of a show called Indian Myths and Legends from the Javitch Collection (Special Collections, until 29 January).

Artist Maud Oakes met Navaho medicine man Jeff King in late 1942. The 75-year-old King was by that time one of the few elders left alive with a knowledge of his tribe's religious ritual. That fall and the following spring, he taught her how to paint the legend of the two brothers who go searching for their father, the Sun. The ceremonial paintings, executed in cornflower blues, black and white against sand-colored backgrounds, are displayed in and around Special Collections display cases featuring books from Gregory Javitch's unique collection of Indian myths and legends, including academic and popular works, as well as children's books on the North American Indian.

If you've ever wondered who Hiawatha really was, this is a must-see exhibit.□

Canadian Mediterranean Institute

14 January, 7:30 p.m. Maurizio Gualtieri and Helena Fracchia, "Proposed 1988 University of Alberta Summer School in It?" Provincial Museum Auditorium.

English

18 January, 4 p.m. Renaissance Colloquium. Gary Kelly, "Class, Gender and Social Conflict in Renaissance Popular Fiction." 4-59 Humanities Centre.

Nursing

18 January, 4 p.m. Peggy Chinn, Professor of Nursing, State University of New York at Buffalo, and Editor of *Advances in Nursing Science*, "Research Related to Women's Health: The Practice-Theory Link." 2F1.04 Mackenzie Health Sciences Centre.

Law

23 January, 9:30 a.m. Saturday Morning at the Law School—"Law of the Workplace." Law Centre.

The Arts

Films

Coordinating Committee on Women's Studies

2 January, 7:30 p.m. "Change of Heart"—a CBC/NFB co-production directed by Anne Wheeler and written by Sharon Riis. A farm woman decides to leave her marriage of 30 years. L-12 Tory Building. 432-3093.

Exhibitions

Bruce Peel Special Collections Library

Until 29 January. "Four Centuries of Milton's 'On the Morning of Christ's Nativity.'" Early and illustrated editions, including watercolors by William Blake. Also on display: "Myths and Legends of the American Indian from the Javitch Collection." Hours: 8:30 a.m. to 4:30 p.m. Monday through Friday. Closed weekends. B-7 Rutherford South.

McMullen Gallery, Mackenzie Health Sciences Centre

December. "British Watercolours."

Sports

ketball

2 December, 7:30 p.m. Pandas vs. Winnipeg. 30 December, 4 p.m. Pandas vs. Winnipeg.

Swimming

8 January, 6 p.m. Golden Bears and Pandas vs. UBC. 16 January, 6 p.m. Golden Bears and Pandas vs. Washington.

Hockey

8 and 9 January, 7 p.m. Bears vs. UBC.

Volleyball

15 to 17 January. Golden Bear and Panda Classic.

Wrestling

15 January, 7 p.m. Bears vs. Regina. 16 January, 9 a.m. Alberta Invitational.

Positions

The University of Alberta is an equal opportunity employer.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 11 December. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Typist III, Athletic Services, (\$1,366-\$1,716)

Clerk Typist III, Centre for Cooperative Education, (\$1,366-\$1,716)

Clerk Typist III (Part-time, Trust), Applied Sciences in Medicine, (\$683-\$858)

Administrative Clerk, Plant Science, (\$1,522-\$1,945)

Accounts Clerk, Office of the Comptroller, (\$1,522-\$1,945)

Distribution Clerk, Materials Management, (\$1,580-\$2,027)

Security Officer, Campus Security, (\$1,716-\$2,208)

Technician I (Trust), Physiology, (\$1,580-\$2,027)

Technician I (Trust), Pediatrics, (\$1,580-\$2,027)

Administrative Assistant I, Physical Plant, (\$1,945-\$2,510)

Administrative Assistant I, School of Native Studies, (\$1,945-\$2,510)

Accounting Assistant, Comptroller's Office, (\$1,945-\$2,510)

Biology Technologist I (Part-time, Trust), Genetics, (\$1,945-\$2,510)

Pharmacist (Part-time), University Health Service, (\$2,115-\$2,741)

Public Relations/Publications Assistant III, Printing Services, (\$2,115-\$2,741)

Accounting Supervisor, Comptroller's Office, (\$2,115-\$2,741)

Technologist I (Part- or Full-time, Trust), Genetics, (\$1,945-\$2,510) (pro-rated for part-time)

Repair Garage Supervisor, Physical Plant, (\$2,208-\$2,861)

Programmer Analyst III, Library, (\$2,741-\$3,579)

Programmer Analyst III-IV, Computing Services, (\$2,741-\$4,289)

For vacant Library positions, telephone 432-3339.

Pediatric Phlebotomists

Two pediatric phlebotomists are required immediately. Part-time work—Mondays and Tuesdays for three to six months—with infants two months to one year. Southside and west end locations. Call or leave message at 432-2507 or 432-6383.

Advertisements

Accommodations available

Sale - Perfect retreat west of city.

Acreage with cozy bungalow. Two fireplaces, not in subdivision. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - University area. 1 1/2 storeys with addition. Four bedrooms, quiet location. Assumable mortgage. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Large city lots, some ravine. \$39,750-\$67,500. Good financing. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Handyman's special. Foreclosure. 1,536' of living area. Good floor plan. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Rent - Charming home near University and downtown. Mature trees, fenced garden, two bedrooms, den with balcony. Living, dining and family rooms. Appliances. Available January or February. \$900. 488-7627, call anytime.

Rent - One- and two-bedroom flats in Harley Street, London, long or short occupancy till summer 1988. 011-44-1-580-0731 (noon).

Sale - Belgravia, four-bedroom semi. \$105,000 plus a penny. This super country kitchen not for a loner. 452-2052 will get you the owner.

Rent - Riverbend. Terwilligar Heights. Furnished bungalow, four bedrooms, 2,000', main-floor family room with fireplace. \$1,000/month. 1 January-30 June. Western Relocation, 438-1044, 435-5389.

Rent - Riverbend. Two storeys, furnished/unfurnished, ten minutes from campus, 2,700', four bedrooms, 2 1/2 baths, den, large sunny kitchen. Available 7 January-31 July 1988. \$1,200/month. Western Relocation. 438-1044.

Rent - Three-bedroom house, \$700/month. Close to University. 433-3300.

Rent - Three-bedroom, furnished house, 86 Ave. 108 St. Available 1 January. 434-9163 after 6 p.m.

For rent - Ottewell, furnished.

Three-bedroom house. January/February to July or August. \$650/month. Call 468-1254 (office), 469-9490 (home).

Sale - Windsor Park. Well-constructed, spacious, three-bedroom bungalow in choice location. Modern interior with Poggenpohl kitchen, jacuzzi, fireplace, double garage. Developed basement. 433-8667.

Rent - River valley condominium, 112 St. 97 Ave. Exclusive adult hi-rise, clean, quiet, one bedroom, games/exercise room, covered parking. \$415, free utilities. 424-1555.

Sale - Charmingly renovated, two storeys, hardwood floors, fireplace, jacuzzi, tasteful use of cedar. Large dining room, deck and upstairs balcony. Jean MacKenzie, Spencer Realty, 436-5250.

Sale - Reduced \$10,000. Riverbend for those who appreciate timeless traditional elegance. This home offers four bedrooms, main floor den, super family room, developed basement. Ann Dawrant, Spencer Realty, 436-5250, 430-6971.

Sale - Exclusive listing in old Riverbend. Attractive bi-level, recently redecorated, two blocks from elementary school and excellent bus service to University. Ann Dawrant, Spencer Realty, 436-5250, 430-6971.

Sale - River view, contemporary home with airy, open plan, ideal for executive entertaining. Features three bedrooms, loft area, large oak kitchen. Ann Dawrant, Spencer Real Estate, 436-5250, 430-6971.

Sale - Windsor Park, \$119,900. Beautiful bungalow, finished basement, attached garage, hardwood, two baths, fantastic location. Ken Ellsworth, 462-5000, Re/Max Real Estate.

Goods for sale

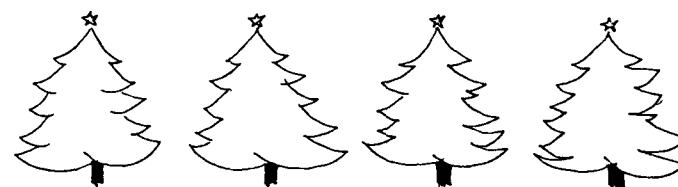
One lion skin, African antelope skin, African artifacts. 487-5273 evenings.



Cafeteria Holiday Hours

December 21, 22, 23 and 29, 30, 31
9 am to 3 pm

Season's Greetings



Free puppies. Golden Retriever-Black Lab cross. Ready by 20 December. Days 432-2195. Evenings 464-3475. Thumbelina spinning wheel, Indian spinner. Like new, best offer. 488-4104.

Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimbursed treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Ave. 436-8059. Word processing. Theses, papers. Pick-up and delivery included. 488-0547.

Eclectic Visuals - Photography. Experienced and inexpensive. 489-2630.

Editing and research assistance by MA (English). 434-8975.

Blue Quill Office Services. Term papers, theses by word processor. \$1.50 per double-spaced page. Photocopying, next day service. 437-4356.

Professional Typist-Word Processing. Specializing in theses, dissertations, manuscripts. Gwen, 467-9064. Also: convert most Apple to IBM.

Professional typist with BA, word processor, APA format for theses, dissertations. McMahon Word Processing, 464-2351.

Incredible Edibles, HUB, gift certificates. Food for thought-full Christmas giving, available on location during new, extended hours of service. Monday-Thursday, 7 a.m.-midnight. Friday, 7 a.m.-6 p.m. Saturday, 10 a.m.-5 p.m.

Need a photographer or graphic designer? Call Margaret Cunningham at 456-7350.

Residential contractors, design, additions, renovations, new homes. Innovation Plus Developments Limited. 434-0923.

Word processing. Manuscripts, term papers. 486-5415 evenings.

Springhill Cooperative Nursery School. Register now for January term in Edmonton's oldest cooperative nursery school, near University in

Garneau School. Two-, three- and four-year groups. Colleen, 436-5816. Dinah, 436-0903.

Professional word processing services. Campus pick up. Call Chris, 420-5164 (days), 473-4070 (evenings).

Nigeria Association of Alberta, New Year's Eve dance, Thursday, 31 December, Renford Inn on Whyte. Tickets \$8 in advance, \$10 at door. For tickets, call Michael at 455-0754 after 5 p.m.

Tape reminiscences, family history, special events, photographs, mementos with family members (old and young) over holiday season. Professional, licensed, bonded, video service. Flexible hours, reasonable rates. 432-7615.



FREE FITNESS CLASSES

For new students with this ad. Monday, 4 January, and Wednesday, 6 January UAH Nurses' Residence Gym 114 Street and 84 Avenue 5:00-6:00 p.m. A total body workout, designed for all levels.

For information, call Dina, 478-8997

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We also extend our wishes for happiness this holiday season and throughout the new year.

**Jim Lavoie
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